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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/593,358	06/14/2000	Willard L. Hofer	MICS.0053	8367	
7:	590 05/22/2003				
Michael G Fisher			EXAMINER		
Fletcher Yoder & Van Someren P O Box 92289			NGUYEN, JIMMY		
Houston, TX 77269-2289			ART UNIT	PAPER NUMBER	
			2829		
			DATE MAILED: 05/22/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	\mathcal{N}
, ,		09/593,358	HOFER ET AL.	(-
Office Action Summary		Examiner	Art Unit	
		Jimmy Nguyen	2829	
	- The MAILING DATE of this communication a	ppears on the cover sheet	with the correspondence addr	ess
Period fo	r Reply			
THE N - Exten after 5 - If the - If NO - Failur	DRTENED STATUTORY PERIOD FOR REF MAILING DATE OF THIS COMMUNICATION stons of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reperiod for reply is specified above, the maximum statutory perive to reply within the set or extended period for reply will, by stated by the Office later than three months after the main dipartent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may eply within the statutory minimum of od will apply and will expire SIX (6) M isother to become	ra reply be timely fited thirty (30) days will be considered timely. MONTHS from the mailing date of this corr a ABANDONED (35 U.S.C. § 133).	nmunication.
1)⊠	Responsive to communication(s) filed on 1			
2a)□	This action is FINAL . 2b)⊠	This action is non-final.		
3)	Since this application is in condition for allo closed in accordance with the practice und	owance except for formal i ler <i>Ex parte Quayle</i> , 1935	matters, prosecution as to the C.D. 11, 453 O.G. 213.	ments is
Disposit	ion of Claims			
4) 🖾	Claim(s) 1-7 is/are pending in the application	on.		
	4a) Of the above claim(s) is/are without	drawn from consideration.		
5)	Claim(s) is/are allowed.			
	Claim(s) <u>1-7</u> is/are rejected.			
7)	Claim(s) is/are objected to.			
8) 🗌	Claim(s) are subject to restriction an	d/or election requirement		
	tion Papers			
9)[]	The specification is objected to by the Exam	niner.		
10)	The drawing(s) filed on is/are: a) a	ccepted or b) objected to	by the Examiner.	
	Applicant may not request that any objection t	o the drawing(s) be held in a	beyance. See 37 CFR 1.05(a).	~-
11)	The proposed drawing correction filed on _	is: a)∏ approved b)l	disapproved by the Examine	er.
	If approved, corrected drawings are required i			
12)	The oath or declaration is objected to by the	e Examiner.		
Priority	under 35 U.S.C. §§ 119 and 120		449() (I) (f)	
13)	Acknowledgment is made of a claim for fo	reign prio r ity under 35 U.S	S.C. § 119(a)-(d) or (i).	
a	ı) ☐ All b) ☐ Some * c) ☐ None of:			
	1. Certified copies of the priority docur	nents have been received		
	2. Certified copies of the priority docur	nents have been received	in Application No	Stage
	3. Copies of the certified copies of the application from the International See the attached detailed Office action for a	au Billeau i FC i iNuic i 7.49	(α//.	Stage
44)	Acknowledgment is made of a claim for dor	nestic priority under 35 U.	S.C. § 119(e) (to a provisiona	I application)
Į.	a) ☐ The translation of the foreign languag Acknowledgment is made of a claim for do	e provisional application b	nas been received.	
1 2 D M	ent(s) otice of References Cited (PTO-892) otice of Draftsperson's Patent Drawing Review (PTO-94 formation Disclosure Statement(s) (PTO-1449) Paper N	8) 5) Not	orview Summary (PTO-413) Paper No ice of Informal Patent Application (P er:	o(s) TO-152)

Application/Control Number: 09/593,358

Art Unit: 2829

DETAILED ACTION

Response to Argument

The applicant files the declaration under 37 CFR 1.131 to overcome Becker et al has been carefully considered with the following effect;

The examiner agrees upon the argument of the attorney of record for the date of the current application is March 9, 2000. Therefore, the examiner is hereby withdrawn the rejection based on Becker et al

However, upon further search the examiner makes new rejection as below.

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Moinpour et al. (US 5868857) in view of Matsukawa et al. (US 5518542)

Application/Control Number: 09/593,358

Art Unit: 2829

Regarding claim 1, Moinpour et al disclose (fig 5B)

A holding structure (510) having members arranged to hold and rotate (column 4, line 28 -37) the substrate (502) about a first axis, the holding structure (510) being coupled to a rotatable member (512)

However, Moinpour et al is silent on the rotable member configured to rotate the holding structure about a second axis different from the first axis.

On the other hand, Matsukawa et al teach on the rotable member configured to rotate the holding structure (111a, 111b) about a second axis (flipping) different from the first axis for the purpose of providing the ability for testing system to test the wafer from different angle.

It would have been obvious to one having an ordinary skill in the art at the time of the invention was made to modify the robots arm of Moinpour et al and providing the flipping feature as taught by Matsukawa et al for the purpose of providing the ability for testing system to test the wafer from different angle

Regarding claim 2, Moinpour et al discloses (fig 5B) the members (510) comprises a plurality of wedge assemblies configured to rotate the substrate (502) about the first axis

Application/Control Number: 09/593,358

Art Unit: 2829

Regarding claim 3, Moinpour et al discloses (fig 5B) the first axis is disposed generally perpendicular to a flat surface of the substrate (502) and extends generally through an axial center of the substrate.

Regarding claim 4, Matsukawa et al discloses (fig 12) the holding structure comprises tow L shaped gripping arms (111a, 111b) arranged to form a single U shape and configured to hold the substrate substantially parallel to the gripping arms

Regarding claims 5,6, Matsukawa et al discloses the U shaped structure is configured to open and close about the perimeter of the substrate (W)

Regarding claim 7, Moinpour et al discloses (fig 5B) the holding structure (510) comprises three wedge assemblies (as seen in the figure), at least one wedge assembly coupled to a motor (512). and configured to rotate the substrate (502) about the first axis disposed generally perpendicular to a flat surface of the substrate (502) and extending generally through an axial center of the substrate.

Art Unit: 2829

Page 5

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jimmy Nguyen at (703) 306-5858. Any inquiry of a General nature of relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4900.

JN. May 14, 2003 VKAMAND CUNEO SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800